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CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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Sachsenwerk Radeberg:

1. Television Receivers:

Production was running at the rate of about 8 sets per diem in mid-June 1951. Some condensers had been received from the USSR for installation in the receivers. By mid-July production had increased to about 20-30 sets per diem.

2. Decimeter apparatus:

The RVG 903 (Stuttgart) decimeter set is being developed for the purpose of making it suitable for the transmission of television programs. It has been decided to construct it so that HF impulses are passed direct from receiver to transmitter at the intermediate stations without any IF stage, because of the increase in distortion (Klirrfaktor) when transformed from HF to IF and back again. The new type is much larger than the old, the complete apparatus standing over two meters high.

3. Decimeter sets are normally tested between Radeberg and the Valtenberg (where the restaurant was burnt down in May), and between Radeberg and the Scheibenberg (16 kms away). The new set was also being tested in July between the Brocken and the Fichtelberg (260 kms away). Collm (near Oschatz) has been used also.

4. Of 90 Studebaker 3-axle lend-lease trucks which had been fitted with RVG 902 decimeter equipment, 30 had been returned to the factory for modification by mid-June 1951.

5. It was intended in June to set up a decimeter link consisting of permanent stations between Berlin and Koenigswusterhausen. Two systems were to be installed in parallel, to insure that the link remained in action.

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6. Decimeter equipment known as 911/912 and 920 is also under development. The latter is a waterproof set.

7. Other products:

The factory is also manufacturing a superheterodyne receiver incorporating band-spread. Other products are 60-ampere switches, and crane motors of smaller sizes (the larger sizes are being made in the Sachsenwerk, Niedersedlitz).

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8. Technisches Buero Kabel, Dresden-Niedersedlitz:

Tikhanov (fnu), Russian head of TB Kabel, was absent on leave with his wife in the USSR from about 1 May to 13 July. A Russian named Shkodnikov (fnu) deputized for him in his absence.

9. Magretz (fnu), German head of the TB Kabel, was dismissed from his post in April. He was succeeded by Josef Watzula, who returned from the USSR in late 1950. Dipl. Ing. Josef Watzula was a specialist in fuses and used to work at the Sachsenwerk Niedersedlitz.

10. In July the office was engaged mainly in the design of electric motors conveying steel billets in rolling mills (Rollgangsmotoren). They must be capable of operating at 120 ° C, and must not be damaged if stopped for two minutes with the current on. They must also be reversible. They are to be of 0.6 and 2 kw at 1500 RPM. The BEM Berlin is designing the larger sizes. The Russians want 200 of the smaller sizes manufactured.

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11. Other projects being worked on are:

- (a) The design of "Drehregler". Drawings of the motor, and the tools necessary for its mass production are being made.
- (b) The design of a submersible motor for use at the bottom of deep wells. Must be small in cross-section, and completely waterproof. Drawings only are required of the motor.
- (c) The modification of drawings previously made by the office of small and medium motors into drawings of fully enclosed motors.
- (d) Drawings of couplings, clutches etc.

Büro Elektrischer Maschinen (BEM), Berlin:

12. The present Russian head is Panchukov (fnu). Mrs. Shutakova (fnu) is still employed in the office.
13. Batyrev (fnu) is now working in the Urals. B.I. Kusnetsov is now a Ministry employee in Moscow, and edits a technical periodical. He and Miller (fnu) (formerly in Dresden) have been awarded Stalin Prizes. Britsin (fnu) is now working in the design office of a factory in Leningrad which makes hydroelectric generating equipment.

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